

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L15	2781	382/115-118,289,296.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 16:54
L16	35	L15 and (detect\$3 recogni\$4 identif\$7) near2 (face facial head) near2 (pose orientation angle angular)	USPAT	OR	OFF	2007/05/21 16:57
L19	27	L15 and (detect\$3 recogni\$4 identif\$7) near2 (face facial head) near2 (pose orientation angle angular) and (pose orientation angle angular) near7 range	US-PGPUB; USPAT	OR	OFF	2007/05/21 17:10
L20	3	("6597817").URPN.	USPAT	OR	OFF	2007/05/21 17:07
L21	3	("2003/0123713").URPN.	USPAT	OR	OFF	2007/05/21 18:58
S1	1	"20010032075"	US-PGPUB	OR	OFF	2007/05/18 15:52
S2	108	ishida near2 yoshihiro.in.	US-PGPUB; USPAT	OR	OFF	2006/11/27 12:09
S3	8	fac\$4.clm. and S2	US-PGPUB; USPAT	OR	OFF	2006/11/27 15:01
S4	8446653	angle angular rotat\$4 turn\$4 slant\$4 flip\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 15:54
S5	9260481	range extension field latitude limit meighborhood radius reach scope span spread stretch sweep territory vicinity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:17
S6	539913	S4 near3 S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:20

## EAST Search History

S7	134228	(detect\$3 find\$3 identif\$7 recogni\$4) near2 (fac\$3 head skin)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:37
S8	2569	382/115-118,289,296.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 13:02
S9	23	S6 same S7 and S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:37
S10	22	pose near3 S5 and S7 and S8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:38
S11	135170	(detect\$3 find\$3 identif\$7 recogni\$4) near2 (fac\$3 head skin pose)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:38
S12	18094	(detect\$3 find\$3 identif\$7 recogni\$4) near2 (pose orientation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:41
S13	268	S8 and S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 15:41

## EAST Search History

S14	22472	(detect\$3 find\$3 identif\$7 recogni\$4) near2 (pose orientation angle angular rotat\$4 turn\$4 slant\$4 flip\$4).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 16:32
S15	76	(detect\$3 find\$3 identif\$7 recogni\$4) near2 (pose orientation angle angular rotat\$4 turn\$4 slant\$4 flip\$4).ti. and "382".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 16:01
S16	19	S15 and (face facial head)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/27 16:07
S17	12	("4754487"   "5111288"   "5715325"   "5859921"   "5864630"   "5872594"   "5900909"   "5991429"   "5999203"   "6262769").PN. OR ("6597817").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/27 16:16
S18	312	382/103.ccls. and fac\$3 near3 (detect\$3 find\$3 identif\$7 recogni\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 13:04
S20	8449014	angle angular rotat\$4 turn\$4 slant\$4 flip\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 13:04
S21	9263867	range extension field latitude limit neighborhood radius reach scope span spread stretch sweep territory vicinity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 13:04

## EAST Search History

S22	39	S20 near3 S21 and S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 13:13
S23	2	"6985620".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 13:13
S24	7	("5644651"   "5850469"   "6018349"   "6047087"   "6192145"   "6330356"   "6522787").PN. OR ("6985620").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/28 14:54
S25	75879	(detect\$3 find\$3 identif\$7 recogni\$4) near2 (face facial head pose skin flesh)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:00
S26	7010	S20 near3 S21 and S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:02
S28	24	S20 near3 S21 same S25 and 382/103,115-118,289,296.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:07
S29	1	(determin\$3 calculat\$3 find\$3) near3 S20 near2 S21 same S25 and 382/103,115-118,289,296.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:07

## EAST Search History

S30	29	(determin\$3 calculat\$3 find\$3) near3 S20 near2 S21 same S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 15:04
S31	542139	rotat\$4 same (angle angular degrees radians)	US-PGPUB; USPAT	OR	ON	2006/11/29 15:01
S32	139	382/118.ccls. and S31	US-PGPUB; USPAT	OR	ON	2006/11/29 15:01
S33	126	rotat\$4 with (angle angular degrees radians) and 382/118.ccls.	US-PGPUB; USPAT	OR	ON	2006/11/29 15:07
S34	23	rotat\$4 with (angle angular degrees radians) same (face facial) near2 (recogni\$4 detect\$4 identif\$7) and 382/118.ccls.	US-PGPUB; USPAT	OR	ON	2006/11/29 15:07
S35	1	"20040022435"	US-PGPUB	OR	OFF	2007/05/18 15:52
S36	43878	(OUTPUT\$4 INPUT\$4) NEAR3 (angle angular rotat\$4 turn\$4 slant\$4 flip\$4 position\$4 displace\$4) near3 (camera sensor image near2 aquis\$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 15:58
S39	2781	382/115-118,289,296.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 15:58
S40	30	S39 and S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 15:58
S41	1	("2003/0152291").URPN.	USPAT	OR	OFF	2007/05/18 16:08
S42	2319	tilt adj sensor	US-PGPUB; USPAT	OR	OFF	2007/05/18 16:09
S43	356	tilt adj sensor same (face facial head)	US-PGPUB; USPAT	OR	ON	2007/05/18 16:09
S44	301	tilt adj sensor and (face facial head) near2 (detect\$3 find\$3 locat\$3 identif\$4 recogni\$4 calculat\$3)	US-PGPUB; USPAT	OR	ON	2007/05/18 16:11

## EAST Search History

S46	8668988	angle angular rotat\$4 turn\$4 slant\$4 flip\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 16:11
S47	9546033	range extension field latitude limit meighborhood radius reach scope span spread stretch sweep territory vicinity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 16:11
S48	125	tilt adj sensor and (face facial head) near2 (detect\$3 find\$3 locat\$3 identif\$4 recogni\$4 calculat\$3) and S46 near3 S47	US-PGPUB; USPAT	OR	ON	2007/05/18 16:26
S49	17	tilt adj sensor same (face facial head) near2 (detect\$3 find\$3 locat\$3 identif\$4 recogni\$4 calculat\$3) and S46 near3 S47	US-PGPUB; USPAT	OR	ON	2007/05/18 16:26
S50	0	tilt adj sensor same (face facial head) near2 (detect\$3 find\$3 locat\$3 identif\$4 recogni\$4 calculat\$3) and S46 near3 S47 and "348".clas.	US-PGPUB; USPAT	OR	ON	2007/05/18 16:27
S51	17	(detect\$3 find\$3 identif\$7 recogni\$4) near2 (pose orientation angle angular rotat\$4 turn\$4 slant\$4).ti. and (detect\$3 find\$3 identif\$7 recogni\$4) near2 (pose orientation angle angular rotat\$4 turn\$4 slant\$4) near3 (face facial head) same S47 near3 S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 16:40
S52	5	(382/118,115.ccls. and 382/289, 296.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 16:36
S53	154	(detect\$3 find\$3 identif\$7 recogni\$4) near2 (pose orientation angle angular rotat\$4 turn\$4 slant\$4) near3 (face facial head) same S47 near3 S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 16:42

## EAST Search History

S54	0	(detect\$3 find\$3 identif\$7 recogni\$4) near2 (pose orientation angle angular rotat\$4 turn\$4 slant\$4) near3 (face facial head) same S47 near3 S46 and tilt adj sensor and ("382".clas. "348".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 16:40
S55	18	(detect\$3 find\$3 identif\$7 recogni\$4) near2 (pose orientation angle angular rotat\$4 turn\$4 slant\$4) near3 (face facial head) same S47 near3 S46 and ("382". clas. "348".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/18 16:45
S56	691	(orientation gravity) near2 sensor and (face facial head) near3 (detect\$4 recogni\$4 identif\$7)	US-PGPUB; USPAT	OR	ON	2007/05/21 15:32
S57	2781	382/115-118,289,296.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/21 15:32
S58	7	(orientation gravity) near2 sensor and (face facial head) near3 (detect\$4 recogni\$4 identif\$7) and S57	US-PGPUB; USPAT	OR	ON	2007/05/21 15:32